

AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An electric compressor, comprising:

a compressor housing;

a gas compression mechanism accommodated in the compressor housing;

an electric motor that drives the compression mechanism;

a motor driving circuit that drives the electric motor, wherein the motor driving circuit includes a circuit board and a switching element, the circuit board has a first surface facing a circuit cover and a second surface located on a side opposite from the circuit cover, and the switching element is mounted on the second surface.[[; and]]

[[a]] said circuit cover being attached to an outer surface of the compressor housing, wherein the compressor housing and the circuit cover define an accommodating space, ~~wherein~~ the motor driving circuit is accommodated in the accommodating space, and ~~wherein~~ the motor driving circuit is attached to the circuit cover[[,]];

~~wherein~~ a fastener ~~for attaching~~ configured to attach the motor driving circuit to the circuit cover is attached to the cover, wherein the fastener prevents the motor driving circuit from being detached from the circuit cover, and permits the motor driving circuit to move toward the circuit cover; and

an elastic member arranged between the compressor housing and the switching element.

wherein, when the circuit cover is joined to the compressor housing, the motor driving circuit is held between the compressor housing and the circuit cover, ~~wherein the motor driving circuit includes a circuit board and a switching element, wherein the circuit board has a first surface facing the circuit cover and a second surface located on a side opposite from the circuit cover, and wherein the switching element is mounted on the~~

~~second-surface, and wherein, when the circuit cover is joined to the compressor housing, so that the switching element is pressed against the compressor housing via the elastic member.~~

2. (Cancelled).

3. (Currently Amended) The compressor according to claim 1, wherein the fastener includes a bolt and a nut, ~~wherein~~ the bolt [[is]] being inserted through the motor driving circuit with a proximal end of the bolt fixed to the circuit cover, and the nut [[is]] being threaded to a distal end of the bolt.

4-5. (Cancelled).

6. (Currently Amended) The compressor according to claim 1, ~~wherein~~ further comprising an adjusting member [[is]] arranged between the circuit cover and the circuit board, and wherein the adjusting member adjusts a force with which the switching element is pressed against the compressor housing.

7. (Currently Amended) The compressor according to claim 6, wherein the adjusting member includes a circuit board support member, ~~and wherein~~ the circuit board support member [[is]] being located on a part of the first surface of the circuit board that corresponds to the switching element.

8. (Original) The compressor according to claim 7, wherein the circuit board support member is made of resin.

9. (Original) The compressor according to claim 6, wherein the adjusting member includes a spacer arranged between the circuit cover and the circuit board.

10. (Currently Amended) An electric compressor, comprising:

a compressor housing;

a gas compression mechanism accommodated in the compressor housing;

an electric motor that drives the compression mechanism;

a motor driving circuit that drives the electric motor, wherein the motor driving circuit includes a circuit board and a switching element, the circuit board has a first surface facing a circuit cover and a second surface located on a side opposite from the circuit cover, and the switching element is mounted on the second surface,

said circuit cover being attached to an outer surface of the compressor housing, wherein the compressor housing and the circuit cover define an accommodating space, the motor driving circuit is accommodated in the accommodating space, and the motor driving circuit is attached to the circuit cover;

a fastener configured to attach the motor driving circuit to the circuit cover is attached to the cover, wherein the fastener prevents the motor driving circuit from being detached from the circuit cover, and permits the motor driving circuit to move toward the circuit cover; and

an adjusting member arranged between the circuit cover and the circuit board, wherein the adjusting member adjusts force with which the switching element is pressed against the compressor housing, the adjusting member including a spacer arranged between the circuit cover and the circuit board, ~~The compressor according to claim 9,~~ wherein the spacer is a selected one of a plurality of spacers that have been prepared in advance, wherein the spacers have different thicknesses,

wherein, when the circuit cover is joined to the compressor housing, the motor driving circuit is held between the compressor housing and the circuit cover, so that the switching element is pressed against the compressor housing.

11. (Cancelled).

12. (Currently Amended) A method of assembling an electric compressor having a compression mechanism accommodated in a compressor housing, ~~wherein the compression mechanism is being driven by~~ and an electric motor that drives the compression mechanism to compress gas, the method comprising:

attaching a motor driving circuit for driving the electric motor to a circuit cover with a fastener such that the motor driving circuit is prevented from being detached from the circuit cover, and permitted to move toward the circuit cover, wherein the motor driving circuit is configured to drive the electric motor and includes a circuit board and a switching element, the circuit board has a first surface facing a circuit cover and a second surface located on a side opposite from the circuit cover, and the switching element is mounted on the second surface; [[and]]

providing a resin for an adjusting member between the circuit cover and the circuit board before the resin is hardened, the circuit board is attached to the circuit cover while the resin remains soft such that the thickness of the adjusting member between the circuit cover and the circuit board is adjusted;

joining the circuit cover, to which the motor driving circuit is attached, to an outer surface of the compressor housing such that the compressor housing and the circuit cover define an accommodating space for accommodating the motor driving circuit, with holding the motor driving circuit between the compressor housing and the circuit cover,

wherein the step of attaching the motor driving circuit to the circuit cover includes attaching the motor driving circuit to the circuit cover with a fastener such that the motor driving circuit is prevented from being detached from the circuit cover, and permitted to move toward the circuit cover;

the method further comprising:

~~holding the motor driving circuit between the compressor housing and the circuit cover when the circuit cover is joined to the compressor housing, wherein the motor driving circuit includes a circuit board and a switching element, wherein the circuit board has a first surface facing the circuit cover and a second surface located on a side opposite from the circuit cover, and wherein the switching element is mounted on the second surface, and~~

~~so that pressing the switching element is pressed against the compressor housing, when the circuit cover is joined to the compressor housing and the adjusting member adjusts force with which the switching element is pressed against the compressor housing.~~

13-17. (Cancelled).

- 18. (Currently Amended)** A method of assembling an electric compressor having a compression mechanism accommodated in a compressor housing and an electric motor that drives the compression mechanism to compress gas, the method comprising:

attaching a motor driving circuit to a circuit cover with a fastener such that the motor driving circuit is prevented from being detached from the circuit cover, and permitted to move toward the circuit cover, wherein the motor driving circuit is configured to drive the electric motor and includes a circuit board and a switching element, the circuit board has a first surface facing the circuit cover and a second surface located on a side opposite from the circuit cover, and the switching element is mounted on the second surface;

~~The assembling method according to claim 16, wherein the step of arranging the adjusting member includes arranging a spacer between the circuit cover and the circuit board, wherein the spacer is selected from a plurality of spacers having different thicknesses; and~~

joining the circuit cover to an outer surface of the compressor such that the compressor housing and the circuit cover define an accommodating space for

accommodating the motor driving circuit, with holding the motor driving circuit between the compressor housing and the circuit cover, so that the switching element is pressed against the compressor housing, and the spacer adjusts force with which the switching element is pressed against the compressor housing.